

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=2; day=5; hr=11; min=36; sec=59; ms=946;]

=====

Application No: 10589709 Version No: 1.0

Input Set:**Output Set:**

Started: 2010-01-26 09:20:19.643
Finished: 2010-01-26 09:20:23.487
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 844 ms
Total Warnings: 29
Total Errors: 0
No. of SeqIDs Defined: 29
Actual SeqID Count: 29

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2010-01-26 09:20:19.643
Finished: 2010-01-26 09:20:23.487
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 844 ms
Total Warnings: 29
Total Errors: 0
No. of SeqIDs Defined: 29
Actual SeqID Count: 29

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> THE TRUSTEES OF BOSTON UNIVERSITY

<120> METHOD FOR DETECTING AND QUANTIFYING RARE
MUTATIONS/POLYMORPHISMS

<130> 701586-054981-PCT

<140> 10589709

<141> 2010-01-26

<150> PCT/US05/05255

<151> 2005-02-18

<150> 60/545,382

<151> 2004-02-18

<160> 29

<170> PatentIn Ver. 3.3

<210> 1

<211> 190

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
nucleotide sequence

<400> 1

tggggcaagg tgaacgtgga tgaagttggt ggtgaggccc tgggcaggtt aggggcagat	60
agcagtgawg agagcgagag agccatctat tgcttacatt tgcttctgac acaactgtgt	120
tcactagcaa cctcaaacag acaccatggt gcacctgact cctgaggaga agtctgccgt	180
tactgcctg	190

<210> 2

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 2

aggggcagat agcagtgat	19
----------------------	----

<210> 3

<211> 151

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
nucleotide

<400> 3

gcaaggtgaa cgtggatgaa gttgggtggtg aggccctggg caggtaggg gcagatagca 60
gtgatcagag cgagagagcc atctattgct tacatttgc tctgacacaa ctgtgttcac 120
tagcaacctc aaacagacac catggtgcac c 151

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 4

aggggcagat agcagtgatg 20

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 5

aggggcagat agcagtgatc 20

<210> 6

<211> 77

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Nucleotide
sequence of wildtype

<400> 6

gtggcagatc tcttcatggt cttegggtggc ttcaccacca acctctacac ctctctccat 60
gggtacttcg tcttttgg 77

<210> 7

<211> 77

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Nucleotide
sequence of mutant

<400> 7
gtggcagatc tcttcatggg cttcggtggc ttcaccacca tcctctacac ctctctccat 60
gggtacttcg tctttgg 77

<210> 8
<211> 77
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Nucleotide
sequence of competitor

<400> 8
gtggcagatc tcttcatggg cttcggtggc ttcaccacca tgctctacac ctctctccat 60
gggtacttcg tctttgg 77

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 9
acgttggatg tggcagatct cttcatggtc 30

<210> 10
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 10
acgttggatg ccaaagacga agtacccatg 30

<210> 11
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 11
cggtggcttc accacca 17

<210> 12
<211> 190
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
nucleotide sequence

<400> 12
tggggcaagg tgaacgtgga tgaagttggt ggtgaggccc tgggcagggt aggggcagat 60
agcagtgaws agagcgagag agccatctat tgcttacatt tgcttctgac acaactgtgt 120
tcactagcaa cctcaaacag acaccatggt gcacctgact cctgaggaga agtctgccgt 180
tactgcctg 190

<210> 13
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 13
acgttggatg gcaggacatg acaactcatc 30

<210> 14
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 14
acgttggatg ccatgctaca ttgcccgaag 30

<210> 15
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 15
cgcagcttta aggagtt 17

<210> 16
<211> 91
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 16
gcccatgcta catttgccga agagccctca ggctggactg cataaactcc ttaaagctgc 60
gcagaatgag atgagttgtc atgtcctgca g 91

<210> 17
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 17
acgttggatg gcgcaacagc atattgaagg 30

<210> 18
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 18
acgttggatg acatcccgct gacgcgcagc 30

<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 19
atcagcattc ggcttgaata 20

<210> 20
<211> 88
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
nucleotide sequence

<400> 20
acatcccgt gacgcgcagc aggaaatcag cattcggctt gaatatggaa ggatcgacct 60
gataatgacc ttcaatatgc tgttgcgc 88

<210> 21
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 21
acgttggatg agcagctgcc agccaaaagc 30

<210> 22
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 22
acgttggatg actcggccgc cttggtgag 29

<210> 23
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 23
acgttggatg taggaagtca cagccacgtc 30

<210> 24
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 24
acgttggatg aaccctgacc agtctctgac 30

<210> 25
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 25
acgttggatg tccctgtgga aataccacac 30

<210> 26
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 26
acgttggatg agtccagctt ctcgaacttc 30

<210> 27
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 27
ggcgggccac atacacc 17

<210> 28
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 28
agtggcttgg tcaggttg 18

<210> 29

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

<400> 29

aataccacac acacttgcta

20